

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/594,034
Source: JFWP
Date Processed by STIC: 10/3/06

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 10/03/2006

PATENT APPLICATION: US/10/594,034

TIME: 09:03:15

Input Set : A:\004974.01217 sequence listing.txt

Output Set: N:\CRF4\10032006\J594034.raw

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2 <110> APPLICANT: Golz, Stefan
3     Bruggemeier, Ulf
4     Geerts, Andreas
W--> 5 <120> TITLE OF INVENTION: Diagnostics and Therapeutics for Diseases Associated with
W--> 6     Peroxisome Proliferative Activated Receptor alpha (PPARA)
W--> 7 <130> FILE REFERENCE: 004974.01217
C--> 8 <140> CURRENT APPLICATION NUMBER: US/10/594,034
C--> 8 <141> CURRENT FILING DATE: 2006-09-25
8 <150> PRIOR APPLICATION NUMBER: PCT/EP2005/002588
9 <151> PRIOR FILING DATE: 2005-03-11
10 <150> PRIOR APPLICATION NUMBER: EP04007431.2
11 <151> PRIOR FILING DATE: 2004-03-26
W--> 12 <160> NUMBER OF SEQ ID: 5
13 <170> SOFTWARE: PatentIn version 3.2
W--> 14 <210> SEQ ID NO: 1
15 <211> LENGTH: 1850
16 <212> TYPE: DNA
17 <213> ORGANISM: Homo sapiens
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21 tgccagcaga ttcaagtgtc tgtgaggacg tgcttcctgc ttcatagata agagcttgga      180
22 gctcggcgca caaccagcac catctggtcg cgatggtgga cacggaaagc ccactctgcc      240
23 ccctctcccc actcgaggcc ggcgatctag agagcccggt atctgaagag ttctgcaag      300
24 aaatgggaaa catccaagag atttcgcaat ccacggcgga ggatagttct ggaagctttg      360
25 gctttacgga ataccagtat ttaggaagct gtccctggctc agatggctcg gtcacacagg      420
26 acacgctttc accagcttcg agccccctct cggtgactta tccctgtggtc cccggcagcg      480
27 tggacgagtc tcccagtgga gcattgaaca tcgaatgtag aatctgcggg gacaaggcct      540
28 caggctatca ttacggagtc cacgcgtgtg aaggctgcaa gggcttcttt cggcgaaacga      600
29 ttcgactcaa gctggtgtat gacaagtgcg accgcagctg caagatccag aaaaagaaca      660
30 gaaacaaatg ccagtattgt cgatttcaca agtgcccttc tgtcgggatg tcacacaacg      720
31 cgattcgttt tggacgaatg ccaagatctg agaaagcaaa actgaaagca gaaattctta      780
32 cctgtgaaca tgacatagaa gattctgaaa ctgcagatct caaatctctg gccaagagaa      840
33 tctacgaggc ctacttgaag aacttcaaca tgaacaaggt caaagcccgg gtcacacctc      900
34 caggaaaggc cagtaacaat ccaccttttg tcatacatga tatggagaca ctgtgtatgg      960
35 ctgagaagac gctggtggcc aagctggtgg ccaatggcat ccagaacaag gaggcggagg      1020
36 tccgcatctt tactgctgc cagtgcacgt cagtggagac cgtcacggag ctcacggaat      1080
37 tcgccaaggc catcccaggc ttcgcaaact tggacctgaa cgatcaagtg acattgctaa      1140
38 aatacggagt ttatgaggcc atattcgcca tgctgtcttc tgtgatgaac aaagacggga      1200
39 tgctggtagc gtatggaaat gggtttataa ctctgtaatt ctaaaaaagc ctaaggaaac      1260
40 cgttctgtga tatcatgaa cccaagtttg attttgccat gaagttcaat gcaactggaac      1320
41 tggatgacag tgatatctcc ctttttgtgg ctgctatcat ttgctgtgga gatcgtcctg      1380
42 gccttctaaa cgtaggacac attgaaaaaa tgcaggaggg tattgtacat gtgctcagac      1440

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43 tccacctgca gagcaaccac ccggacgata tctttctctt cccaaaactt cttcaaaaaa 1500
44 tggcagacct ccggcagctg gtgacggagc atgcgcagct ggtgcagatc atcaagaaga 1560
45 cggagtcgga tgctgcgctg caccgcgtac tgcaggagat ctacagggac atgtactgag 1620
46 ttccttcaga tcagccacac cttttccagg agttctgaag ctgacagcac tacaaaggag 1680
47 acggggggagc agcacgattt tgcacaaata tccaccactt taaccttaga gcttggacag 1740
48 tctgagctgt aggtaacggg catattattc catatctttg ttttaaccag tacttctaag 1800
49 agcatagaac tcaaatgctg ggggaggtgg ctaatctcag gactgggaag 1850

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50 <210> SEQ ID NO: 2

51 <211> LENGTH: 468

52 <212> TYPE: PRT

53 <213> ORGANISM: Homo sapiens

W--> 54 <400> SEQUENCE: 2

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55 Met Val Asp Thr Glu Ser Pro Leu Cys Pro Leu Ser Pro Leu Glu Ala
56 1 5 10 15
57 Gly Asp Leu Glu Ser Pro Leu Ser Glu Phe Leu Gln Glu Met Gly
58 20 25 30
59 Asn Ile Gln Glu Ile Ser Gln Ser Ile Gly Glu Asp Ser Ser Gly Ser
60 35 40 45
61 Phe Gly Phe Thr Glu Tyr Gln Tyr Leu Gly Ser Cys Pro Gly Ser Asp
62 50 55 60
63 Gly Ser Val Ile Thr Asp Thr Leu Ser Pro Ala Ser Ser Pro Ser Ser
64 65 70 75 80
65 Val Thr Tyr Pro Val Val Pro Gly Ser Val Asp Glu Ser Pro Ser Gly
66 85 90 95
67 Ala Leu Asn Ile Glu Cys Arg Ile Cys Gly Asp Lys Ala Ser Gly Tyr
68 100 105 110
69 His Tyr Gly Val His Ala Cys Glu Gly Cys Lys Gly Phe Phe Arg Arg
70 115 120 125
71 Thr Ile Arg Leu Lys Leu Val Tyr Asp Lys Cys Asp Arg Ser Cys Lys
72 130 135 140
73 Ile Gln Lys Lys Asn Arg Asn Lys Cys Gln Tyr Cys Arg Phe His Lys
74 145 150 155 160
75 Cys Leu Ser Val Gly Met Ser His Asn Ala Ile Arg Phe Gly Arg Met
76 165 170 175
77 Pro Arg Ser Glu Lys Ala Lys Leu Lys Ala Glu Ile Leu Thr Cys Glu
78 180 185 190
79 His Asp Ile Glu Asp Ser Glu Thr Ala Asp Leu Lys Ser Leu Ala Lys
80 195 200 205
81 Arg Ile Tyr Glu Ala Tyr Leu Lys Asn Phe Asn Met Asn Lys Val Lys
82 210 215 220
83 Ala Arg Val Ile Leu Ser Gly Lys Ala Ser Asn Asn Pro Pro Phe Val
84 225 230 235 240
85 Ile His Asp Met Glu Thr Leu Cys Met Ala Glu Lys Thr Leu Val Ala
86 245 250 255
87 Lys Leu Val Ala Asn Gly Ile Gln Asn Lys Glu Ala Glu Val Arg Ile
88 260 265 270
89 Phe His Cys Cys Gln Cys Thr Ser Val Glu Thr Val Thr Glu Leu Thr
90 275 280 285
91 Glu Phe Ala Lys Ala Ile Pro Gly Phe Ala Asn Leu Asp Leu Asn Asp

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92      290      295      300
93 Gln Val Thr Leu Leu Lys Tyr Gly Val Tyr Glu Ala Ile Phe Ala Met
94 305      310      315      320
95 Leu Ser Ser Val Met Asn Lys Asp Gly Met Leu Val Ala Tyr Gly Asn
96      325      330      335
97 Gly Phe Ile Thr Arg Glu Phe Leu Lys Ser Leu Arg Lys Pro Phe Cys
98      340      345      350
99 Asp Ile Met Glu Pro Lys Phe Asp Phe Ala Met Lys Phe Asn Ala Leu
100      355      360      365
101 Glu Leu Asp Asp Ser Asp Ile Ser Leu Phe Val Ala Ala Ile Ile Cys
102      370      375      380
103 Cys Gly Asp Arg Pro Gly Leu Leu Asn Val Gly His Ile Glu Lys Met
104 385      390      395      400
105 Gln Glu Gly Ile Val His Val Leu Arg Leu His Leu Gln Ser Asn His
106      405      410      415
107 Pro Asp Asp Ile Phe Leu Phe Pro Lys Ser Leu Leu Gln Lys Met Ala Asp
108      420      425      430
109 Leu Arg Gln Leu Val Thr Glu His Ala Gln Leu Val Gln Ile Ile Lys
110      435      440      445
111 Lys Thr Glu Ser Asp Ala Ala Leu His Pro Leu Leu Gln Glu Ile Tyr
112      450      455      460
113 Arg Asp Met Tyr
114 465
115 <210> SEQ ID NO: 3
116 <211> LENGTH: 23
117 <212> TYPE: DNA
118 <213> ORGANISM: artificial sequence
W--> 119 <220> FEATURE:
120 <223> OTHER INFORMATION: forward primer
W--> 121 <400> SEQUENCE: 3
122 ccaagtttga ttttgccatg aag 23
123 <210> SEQ ID NO: 4
124 <211> LENGTH: 21
125 <212> TYPE: DNA
126 <213> ORGANISM: artificial sequence
W--> 127 <220> FEATURE:
128 <223> OTHER INFORMATION: reverse primer
W--> 129 <400> SEQUENCE: 4
130 agcagccaca aaaagggaga t 21
131 <210> SEQ ID NO: 5
132 <211> LENGTH: 28
133 <212> TYPE: DNA
134 <213> ORGANISM: artificial sequence
W--> 135 <220> FEATURE:
136 <223> OTHER INFORMATION: probe
W--> 137 <400> SEQUENCE: 5
138 tcaatgcact ggaactggat gacagtga 28

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VERIFICATION SUMMARY

DATE: 10/03/2006

PATENT APPLICATION: US/10/594,034

TIME: 09:03:16

Input Set : A:\004974.01217 sequence listing.txt

Output Set: N:\CRF4\10032006\J594034.raw

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L:7 M:283 W: Missing Blank Line separator, <130> field identifier
L:8 M:270 C: Current Application Number differs, Replaced Current Application No
L:8 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:12 M:283 W: Missing Blank Line separator, <160> field identifier
L:14 M:283 W: Missing Blank Line separator, <210> field identifier
L:18 M:283 W: Missing Blank Line separator, <400> field identifier
L:54 M:283 W: Missing Blank Line separator, <400> field identifier
L:119 M:283 W: Missing Blank Line separator, <220> field identifier
L:121 M:283 W: Missing Blank Line separator, <400> field identifier
L:127 M:283 W: Missing Blank Line separator, <220> field identifier
L:129 M:283 W: Missing Blank Line separator, <400> field identifier
L:135 M:283 W: Missing Blank Line separator, <220> field identifier
L:137 M:283 W: Missing Blank Line separator, <400> field identifier